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NPIC/R-141/63

A PRELIMINARY STUDY OF ON-SITE SUPPORT FACILITIES AT SA-3 SAM SITES IN THE USSR

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GENERAL

As of [] fifty SA-3 SAM launch sites have been identified in the USSR. Thirty-four of these sites are collocated with SA-1 or SA-2 SAM launch sites. The remaining 16 are deployed singly in strategically significant military areas that are heavily defended by SA-2 SAM sites.

For this report, 10 collocated sites and 6 singly deployed sites have been studied for analysis of on-site support facilities. Not all launch sites have on-site support facilities, and

even for those which have them, the small scale of [] photography prevents identification of any building or group of buildings in the support facilities by their function.

COLLOCATED SA-3 SITES

Six SA-3 sites are collocated with SA-1 25X1D SAM sites in the northwest quadrant of the Moscow outer SAM defense ring (Figure 1). Four of these sites are present on []

missions, [] 1), but no comparative photography was available for the other two sites. None of the sites has any discernible on-site support activities; however, all have access roads to support facilities at the associated SA-1 sites and to central support and storage areas. No significant changes or expansion of on-site support facilities at the SA-1 sites are discernible since the SA-3 sites were added.

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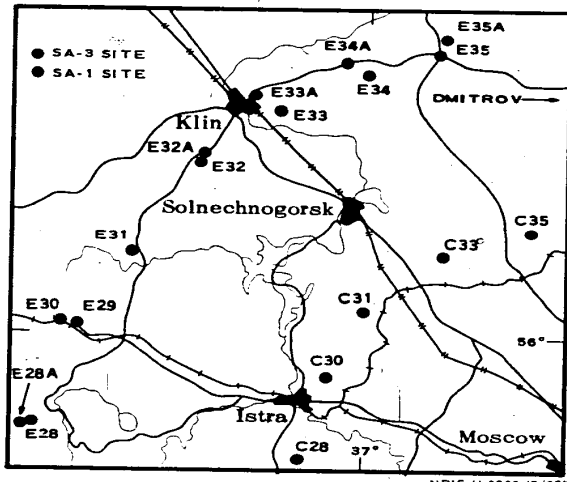


FIGURE 1. SA-3 SITES COLLOCATED WITH SA-1 SITES.

Table 1. SA-3 Sites Collocated with SA-1 Sites in Moscow Area

SA-3 Site	Coordinates	BE
E-28A *	55-52-20N 36-16-40E	[]
E-29 *	56-01-10N 36-45-40E	
E-32A *	56-16-05N 36-38-00E	
E-33A *	56-21-40N 36-58-40E	
E-34A *	56-25-35N 36-58-40E	
E-35A *	56-27-21N 37-10-08E	

*Covered []

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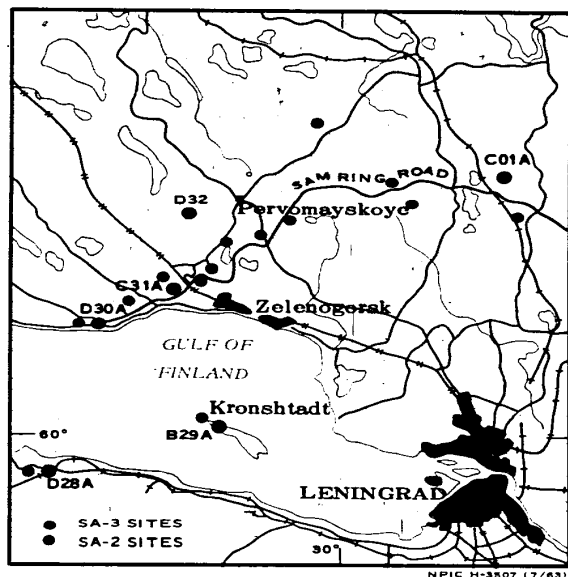


FIGURE 2. SA-3 SITES COLLOCATED WITH SA-2 SITES.

Table 2. SA-3 Sites Collocated With SA-2 Sites in Leningrad Area

SA-3 Site	Coordinates	BE
B-29A	60-01-20N 29-41-30E	
C-31A	60-13-55N 29-34-45E	
D-28A	59-57-50N 29-17-10E	
D-30A	60-10-08N 29-23-10E	

Four SA-3 sites collocated with SA-2 SAM sites in the Leningrad SAM defense ring (Figure 2) were studied to determine expansion of existing support facilities (Table 2). As with the SA-1 collocated sites, no expansion

Table 3. Singly Deployed SA-3 Sites having On-Site Support Facilities

SA-3 Site	Coordinates	BE
Leningrad C-01A	60-24-20N 30-24-00E	
Pruzhany B-16	52-16-10N 24-20-00E	
Olenya B-02A	68-22-10N 33-27-00E	
Ussuriysk B-08	43-53-10N 132-30-00E	
Lyalichi	44-02-10N 132-30-00E	
Leningrad D-32	60-20-10N 29-37-30E	

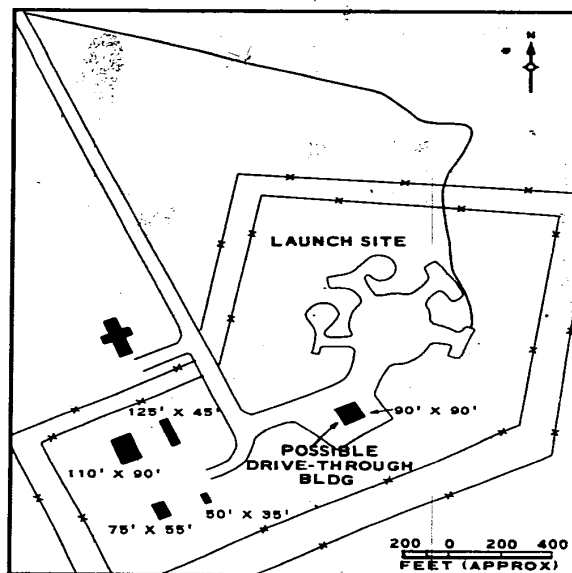


FIGURE 3. Leningrad SA-3 SITE C-01A.

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or changes were observed in the SA-2 support facilities after the SA-3 sites were added. All of the Leningrad SA-3 sites, including five

singly deployed sites, have access roads to the Leningrad SAM ring road along which there are military and central support installations.

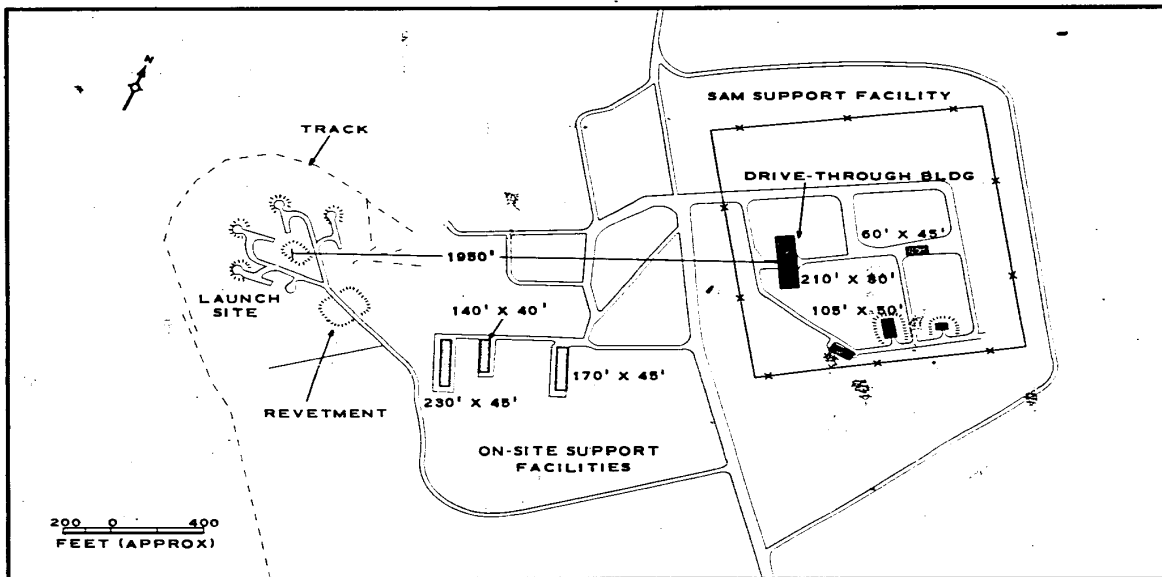
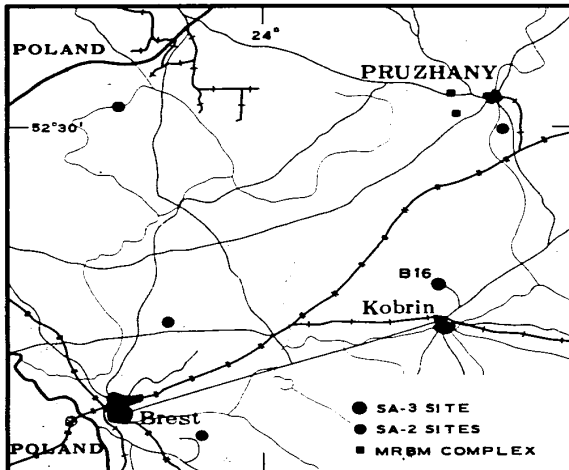
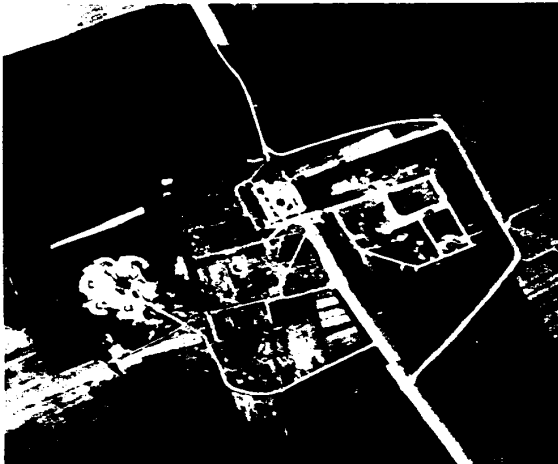


FIGURE 4. PRUZHANY SA-3 SITE B-16.

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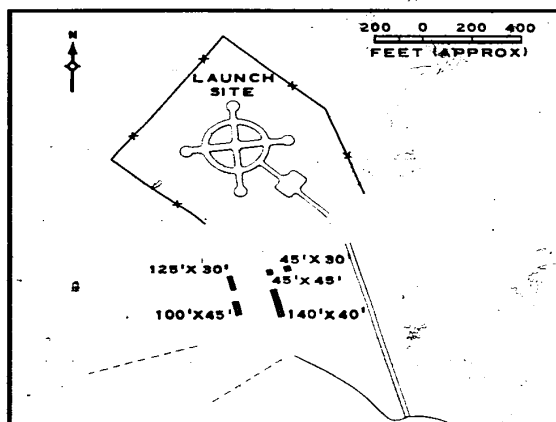


FIGURE 5. LOCATION OF OLENYA SA-3 SITE B-02A.

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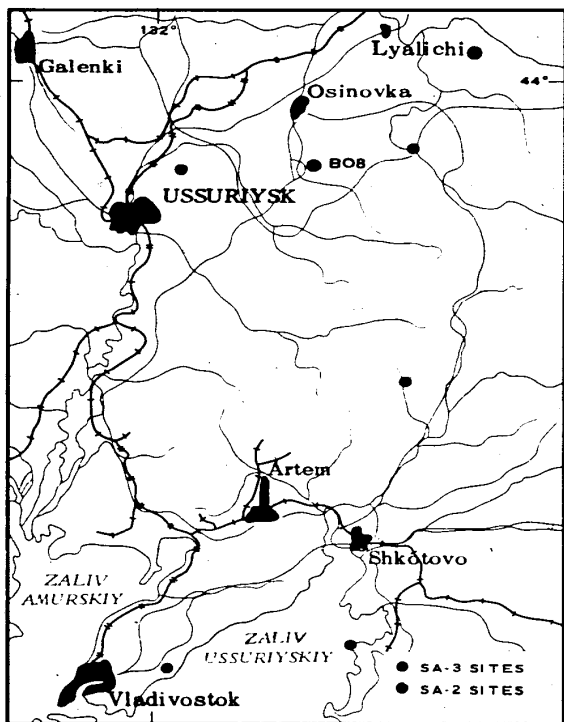


FIGURE 6. SA-3 SITES, USSURIYSK AREA.

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SINGLY DEPLOYED SITES

Sixteen SA-3 sites are singly deployed in strategic defense areas of the Soviet Union. Of this number, six have discernible on-site support facilities (Table 3).

The Leningrad C-01A site has five buildings, the largest of which is a possible drive-through building located in the missile-hold area (Figure 3). This Leningrad site is the only one that has a double security fence. Outside the fence there is a plus-shaped building whose relation to the site is not known.

Pruzhany SAM Site B-16 is unique in that it has on-site support facilities and is also adjacent to a SAM support facility which probably serves more than this one site (Figure 4).

At Olenya SA-3 Site B-02A there are at least five large buildings (Figure 5).

The Ussuriysk SA-3 site has two rather small buildings to the rear of the launch site (Figures 6 and 7), as have the Leningrad D-32 and Lyalichi launch sites.

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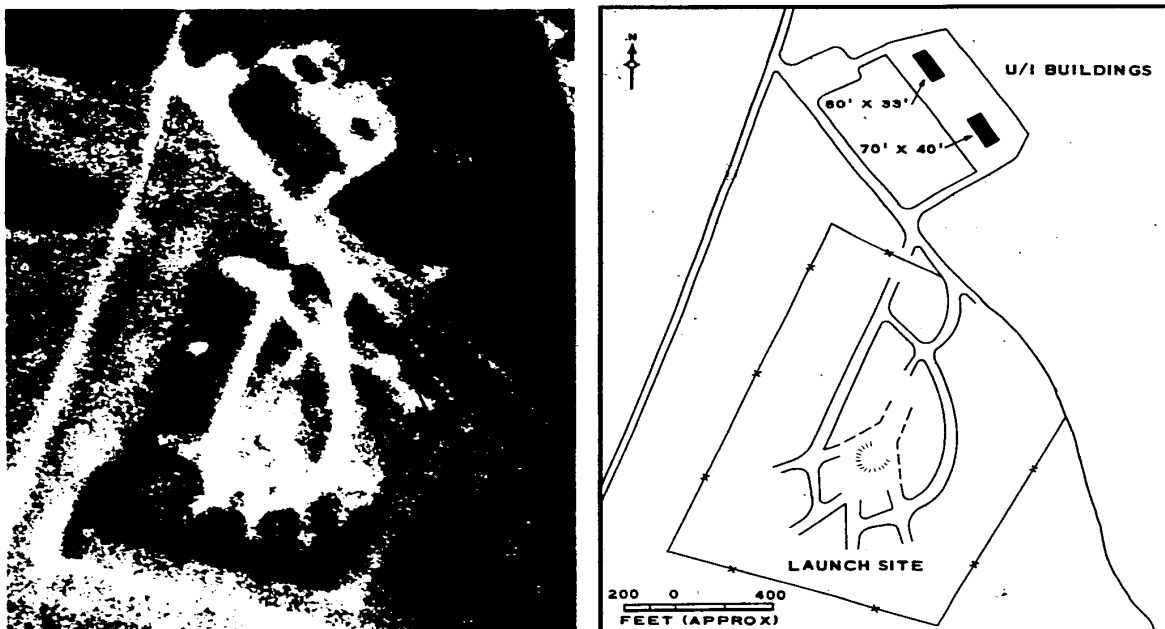


FIGURE 7. USSURIYSK SA-3 SITE B-08.

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CONCLUSIONS

At this time, only the following conclusions have been made about on-site support facilities at SA-3 launch sites:

1. On-site support facilities were provided at SA-1 and SA-2 SAM launch sites. SA-3 SAM launch sites collocated with SA-1 and SA-2 sites are probably utilizing these buildings inasmuch as no apparent changes or expansion of existing facilities are discernible.

2. Six singly deployed SA-3 sites have from two to five on-site support buildings but the scale and quality of photography precludes identifying the functions of these buildings.

3. The remaining 10, also in areas of SA-2 concentration, have no on-site support facilities. Access roads serving these launch sites connect with central support and housing facilities in the area, but no direct relationship can be established between the launch site and off-site support areas.

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REFERENCES

PHOTOGRAPHY

<u>Mission</u>	<u>Date</u>	<u>Pass</u>	<u>Camera</u>	<u>Frames</u>	<u>Classification</u>
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MAPS OR CHARTS

- SAC. US Air Target Chart, Series 200, Sheet 0103-24AL, 1st ed, May 60, scale 1:200,000 (SECRET)
- SAC. US Air Target Chart, Series 200, Sheet 0103-25AL, 2d ed, Feb 60, scale 1:200,000 (SECRET)
- ACIC. US Air Target Chart, Series 200, Sheet 0167-4A, 1st ed, Jan 59, scale 1:200,000 (SECRET)
- SAC. US Air Target Chart, Series 200, Sheet 0154-22A, 1st ed, Jan 59, scale 1:200,000 (SECRET)
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- ACIC. US Air Target Chart, Series 200, Sheet 0051-23AL, 2d ed, Dec 59, scale 1:200,000 (SECRET)
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- SAC. US Air Target Chart, Series 200, Sheet 0291-1A, 1st ed, Jun 58, scale 1:200,000 (SECRET)
- SAC. US Air Target Chart, Series 200, Sheet 0168-22A, 1st ed, Jun 57, scale 1:200,000 (SECRET)

REQUIREMENT

CIA. RR-55/63 (partial answer)

NPIC PROJECT

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